Exhibit 2

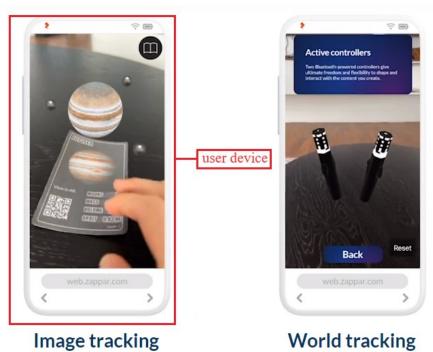
Method Claim: 1

US11080885 Zapworks Designer ("The accused instrumentality") 1. A method The accused instrumentality practices a method of providing an augmented reality experience with a user device (e.g., a user device such as a smartphone). providing an augmented As shown below, Zapworks Designer provides an augmented reality experience via a reality mobile web browser by overlaying virtual elements on top of the real-world view. experience with a user device. zapworks Products V Zapworks for v Log in comprising: **Zapworks Designer** No-code augmented reality software Zapworks Designer makes it easy to create immersive web-based augmented reality (WebAR) experiences - no apps, no downloads and no coding Preview 3D Model 00 https://zap.works/designer/

The easiest way to create immersive WebAR

Our drag and drop editor enables you to effortlessly combine image, world, and face tracked scenes to produce immersive AR experiences.

https://zap.works/designer/



World tracking

Face tracking

https://zap.works/designer/



Alpha channel video

Alpha channel is an additional channel that defines areas of transparency. Add videos with alpha channel to any Designer project.

https://zap.works/designer/



WebAR

WebAR allows users to view experiences using their browser. It is a great way to ensure end users can access content with no friction.



Self hosting

Available on the enterprise plan, Selfhosting allows customisation while also being a secure way to host and serve WebAR experiences.

Getting Started



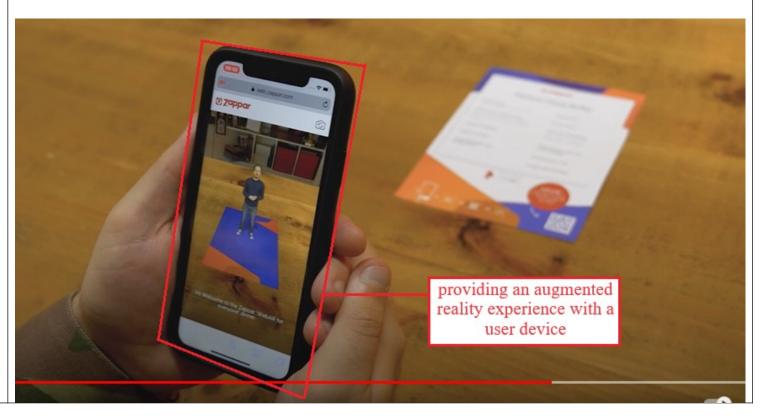
Zapworks Designer is a browser-based, no-code Augmented Reality development tool. Designer gives you the platform to create immersive World, Image and Face tracked augmented reality in just a few clicks. Whether you're looking to bring your print to life or add interaction to your static content, it can all be done with our easy-to-use tool.

 $\frac{\text{https://docs.zap.works/designer/?_ga}{=} 2.233641118.1470678592.1705033547-2123639248.1705033547$

WebAR

AR projects built using the Zapworks suite of tools can be run directly in the default mobile browser, this is known as WebAR. While the Zappar platform and Universal AR SDKs work well on the browsers that enjoy the vast majority of mobile market-share, there are a number of web browsers available across the mobile and desktop device landscape which may have some caveats.

https://docs.zap.works/general/platform/supported-devices/



https://www.youtube.com/watch?v=JxEGUZWZ7d8

receiving physical environment from camera included in or on the user device. wherein digitally encoded marker (DEM) is positioned at a marker location within the physical environment:

receiving an input image of a physical environment (e.g., an input image of the target image with a printed QR code placed in a physical environment), from a camera (e.g., a camera of the device used for scanning QR code) included in or on the user device (e.g., a user device such as a smartphone), wherein a digitally encoded marker (DEM) (e.g., a target image with a printed QR code for generating WebAR experience) is positioned at a marker location within the physical environment).

As shown below, Zapworks Designer uses a QR code to access a website for experiencing augmented reality. An image of a target image with a printed QR code is captured by the camera of the smartphone device. The physically printed target image is positioned within the physical environment.

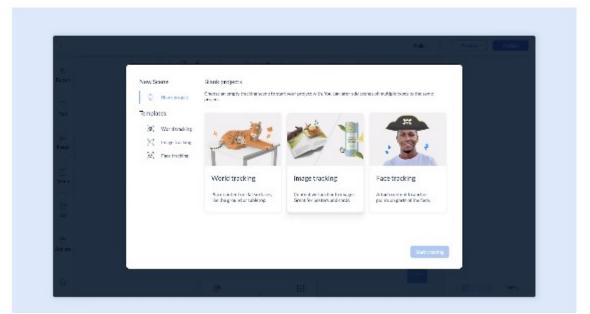
Image Tracking

Designer Image Tracking Tracking

Image Tracking can detect and track digital content to a flat or upright image. This is great for building content that's augmented onto print material such as business cards, posters, and magazine pages.

https://docs.zap.works/designer/tracking/image-tracking/

Upon selecting Image Tracking, you'll be prompted to upload a target image in which your content will track to. To do this, select the Upload target image button in the Project Properties panel. Your target image will be trained, and once uploaded, will appear on your canvas.

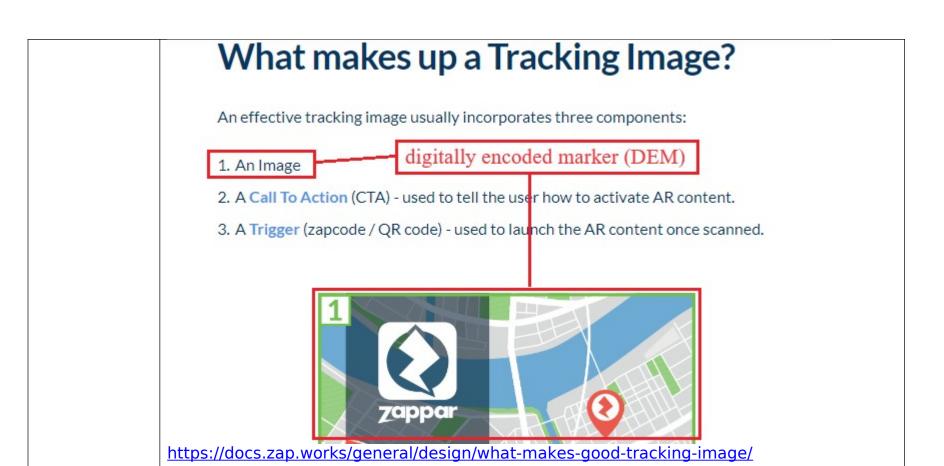


https://docs.zap.works/designer/tracking/image-tracking/

To track AR content to objects such as posters, packaging, birthday cards or magazines, we use Image Tracking. Image Tracking uses images as targets to track AR content. These images are known as either **Target Images** or **Tracking Images**.

Image Tracking has a few benefits over the other tracking types:

- Reliable stability and tracking performance using Zappar's best-in-class image tracking technology.
- Add interactivity to physical objects, static objects, and print material. https://docs.zap.works/general/design/what-makes-good-tracking-image/



Previewing

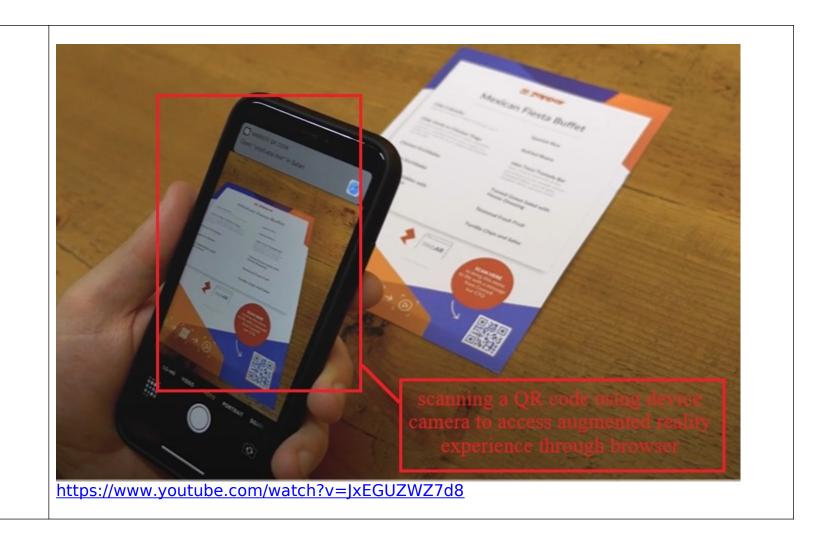
When you **Preview** your experience, you will be provided with a test QR code. Scanning the test QR code using a QR code scanner (built in to most native camera applications) will launch a preview of your experience. This is a reflection of what users will see when they scan your QR code trigger.

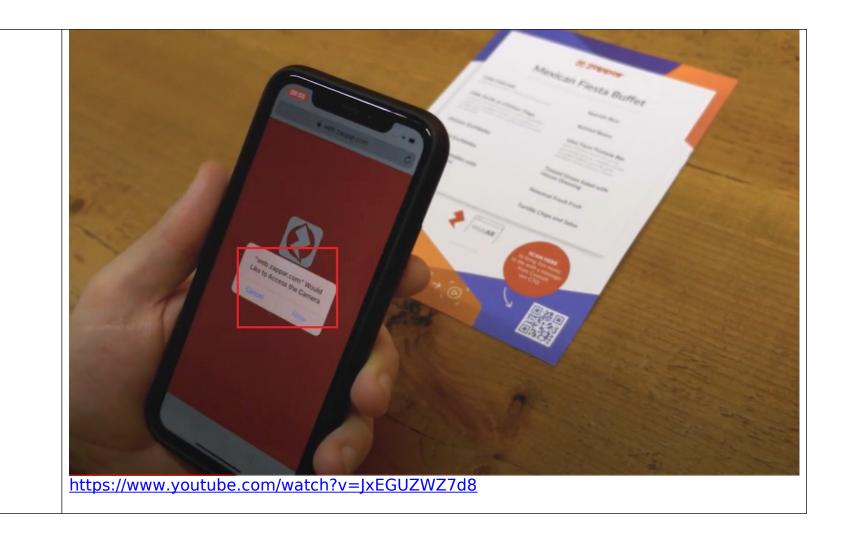
Image-Tracking

Clicking the Preview button will open a Preview Modal where a test QR code and the target image you uploaded will be displayed.

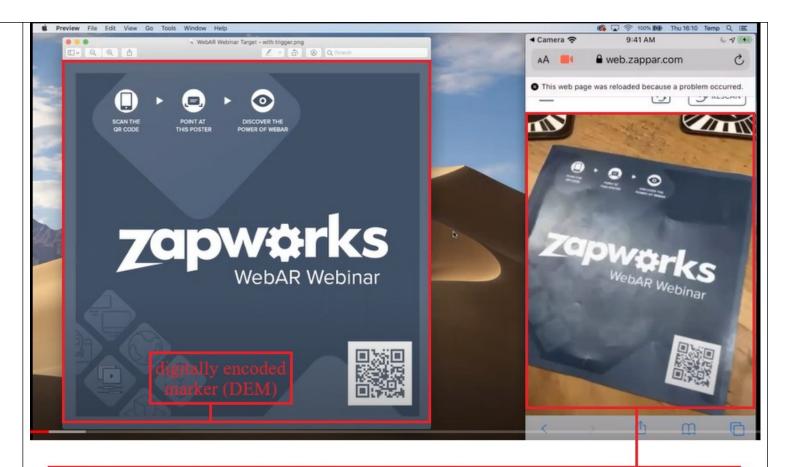


https://docs.zap.works/designer/previewing-and-publishing/









receiving an input image of a physical environment from a camera included in or on the user device, wherein a digitally encoded marker (DEM) is positioned at a marker location within the physical environment

https://www.youtube.com/watch?v=iWKZ2DF3v_c

decoding data from the DEM by processing

The accused instrumentality practices decoding data (e.g., anchor pose data relative to world origin) from the DEM (e.g., a target image with a printed QR code for generating WebAR experience) by processing the input image (e.g., an input image of the physical

the input image, wherein the decoded data comprises at least one of geographic coordinate data and relative coordinate data;

the input image, wherein the decoded data (e.g., anchor pose data relative to world origin) comprises at least one of geographic coordinate data and relative coordinate data (e.g., position data of an decoded data).

As shown below, the target image is tracked in the video obtained from the camera of the user device. An anchor pose of the Image Anchor type is used to obtain the position of the target image relative to the world origin.

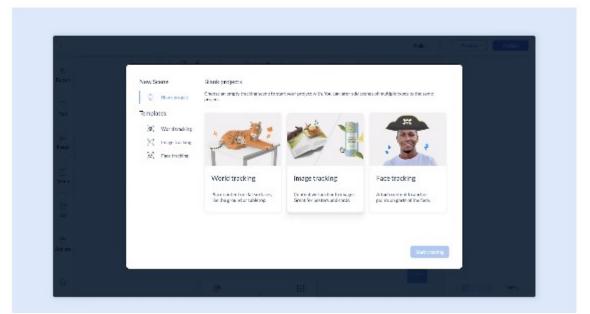
Image Tracking

Designer Image Tracking Tracking

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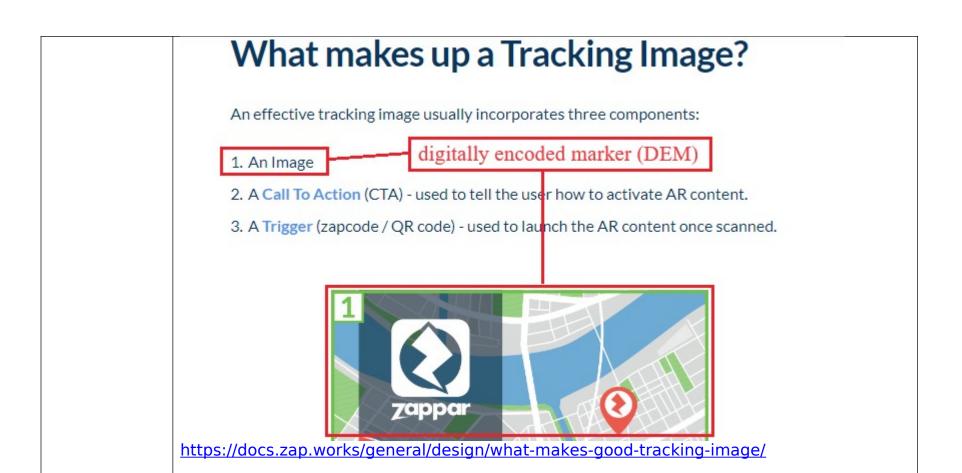


https://docs.zap.works/designer/tracking/image-tracking/

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Image-Tracking

Clicking the **Preview** button will open a **Preview Modal** where a test QR code and the target image you uploaded will be displayed.



https://docs.zap.works/designer/previewing-and-publishing/

Coordinate Systems and Poses

Getting Started JavaScript Universal AR

The Zappar library models the 3D space of an AR experience using three transformations:

Transformation	Description
Projection matrix	Applies a perspective projection corresponding to a camera with a focal length, as well as near and far clipping planes
Camera pose	Applies the position and rotation of the camera relative to a 'world' origin
Anchor pose	Applies the position, scale and rotation of a given tracked object (e.g. an image, or face) relative to the world origin

decoding data

https://docs.zap.works/universal-ar/javascript/getting-started/coordinate-systems-and-poses/

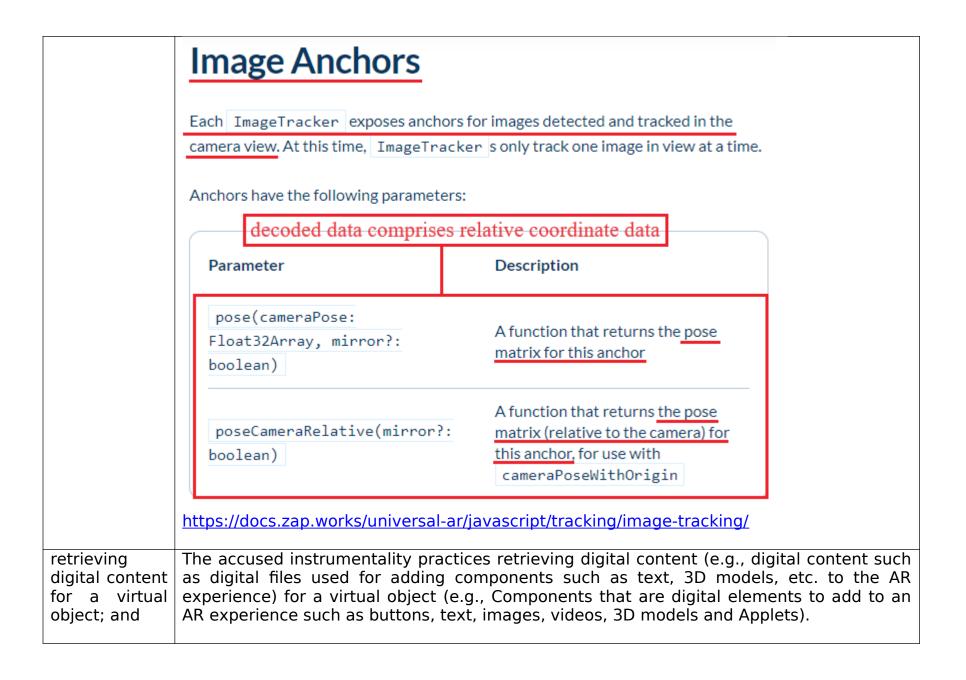
Anchor Pose

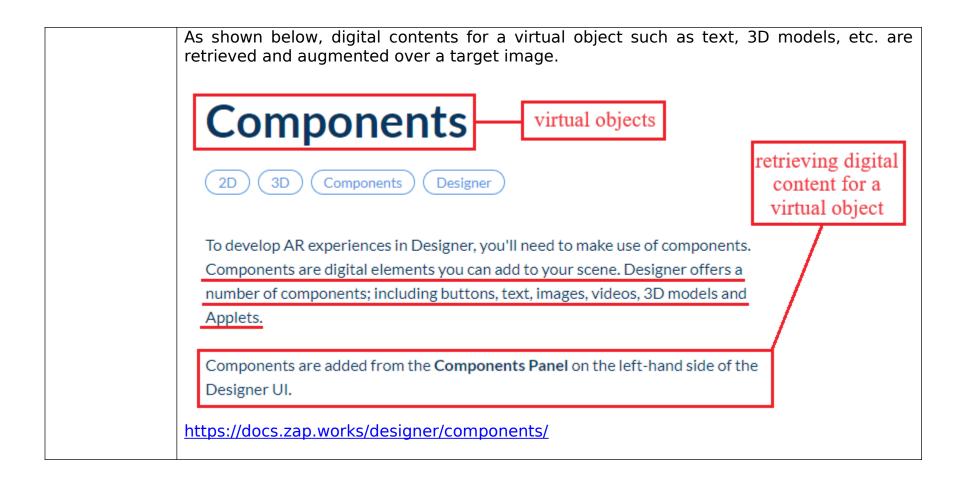
Each of the tracking types provided by the Zappar library expose anchors with a function to obtain an anchor pose for a given camera pose, e.g.:

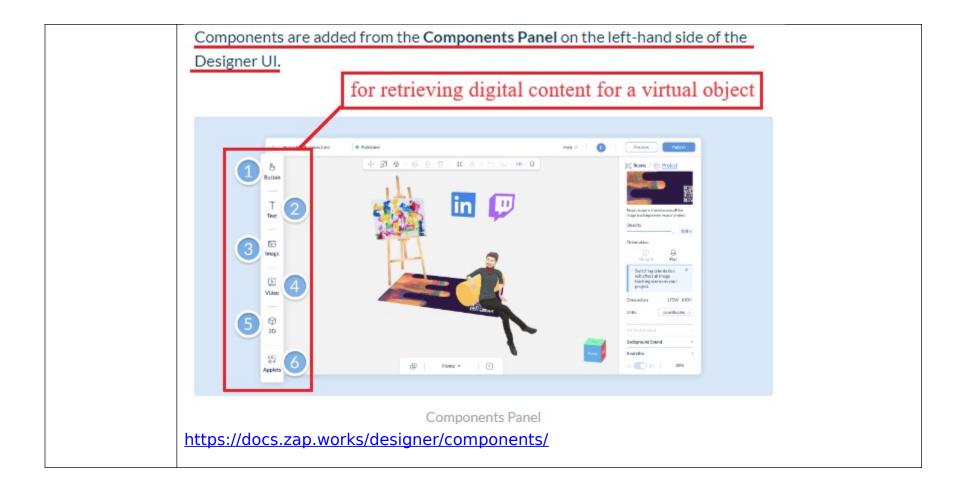
The following sections gives more details about the various tracking types and their associated anchors:

- Image Tracking
- Instant World Tracking
- Face Tracking

https://docs.zap.works/universal-ar/javascript/getting-started/coordinate-systems-and-poses/





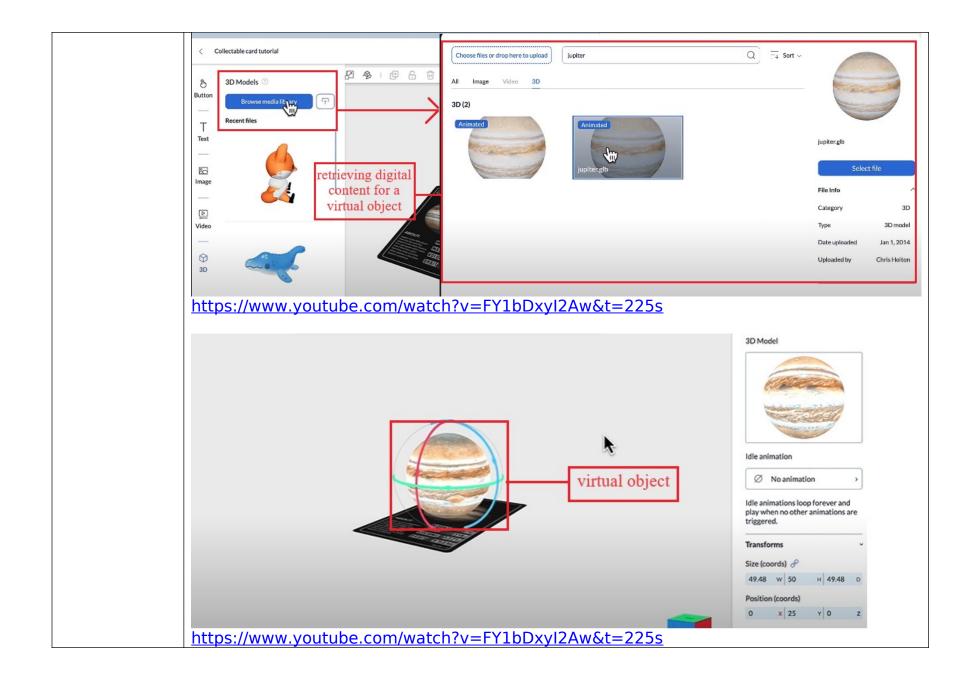


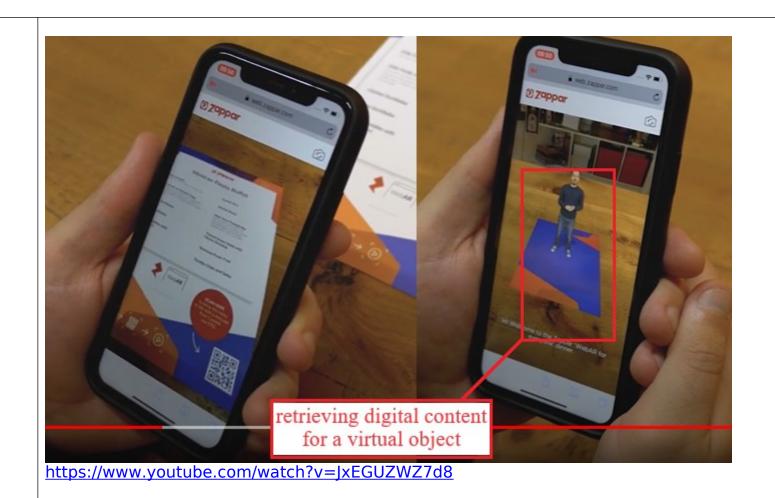
This articles in this section showcase these different components, explain how they can be added and how you can edit their properties.

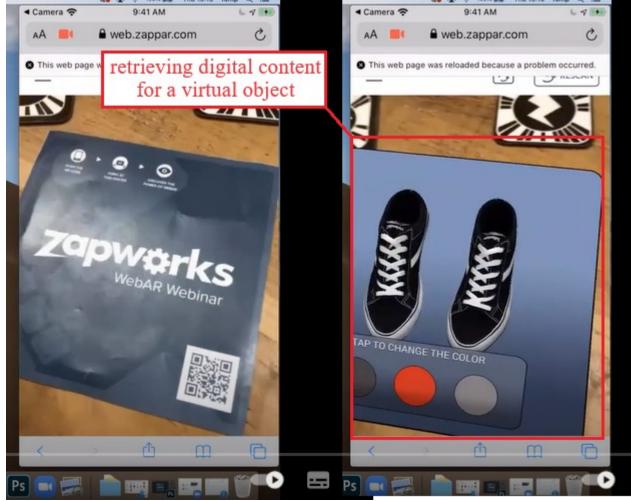
virtual objects

Component	Description
(1) Button	Select from a range of basic buttons to add to your scene.
(2) Text	Choose from preset themed and hierarchy based text objects.
(3) Image	Add an image from your media library to your scene, or upload a new image from your device.
(4) Video	Add a video from your media library to your scene, or upload a new video from your device.
(5) 3D	Add a 3D model to your scene to create a three- dimensional experience.
(6) Applets	Create more elaborate functionalities quickly and easily.

https://docs.zap.works/designer/components/







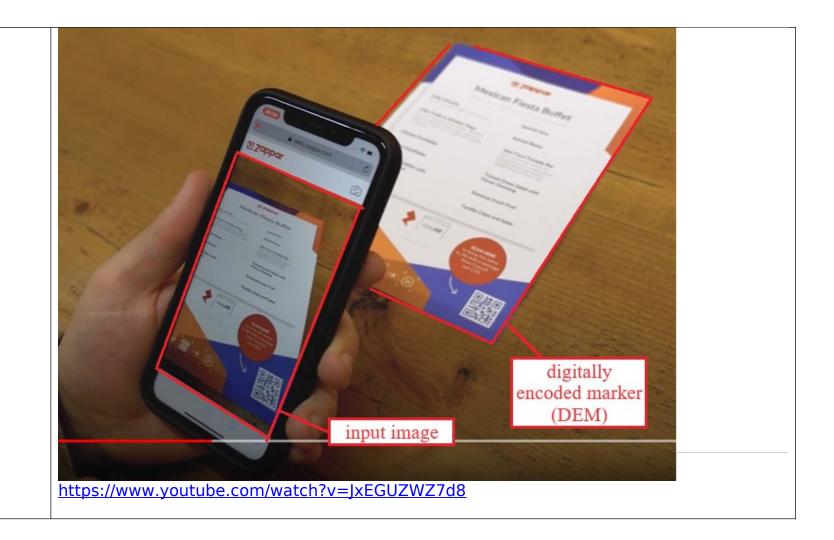
https://www.youtube.com/watch?v=iWKZ2DF3v_c

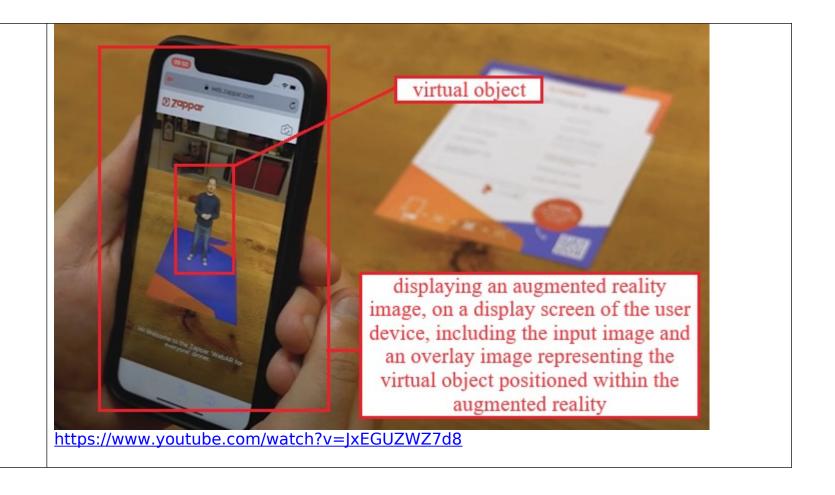
displaying an augmented reality image, on a display The accused instrumentality discloses displaying an augmented reality image (e.g., an AR image with an overlay of a virtual object), on a display screen (e.g., a display screen of the device used for scanning QR code) of the user device (e.g., a user device such as a smartphone), including the input image (e.g., an input image of the physical environment

screen of the device, user includina the input image and an overlay image representing the virtual obiect positioned within the augmented reality image based on the decoded data from the DEM and the marker location,

captured by the camera of the device used for scanning QR code) and an overlay image (e.g., an overlay image of the virtual object) representing the virtual object (e.g., Components that are digital elements to add to an AR experience such as buttons, text, images, videos, 3D models and Applets) positioned within the augmented reality image (e.g., an AR image with an overlay of a virtual object) based on the decoded data (e.g., anchor pose data relative to world origin) from the DEM (e.g., a target image with a printed QR code for generating WebAR experience) and the marker location (e.g., a location of the target image placed within the environment).

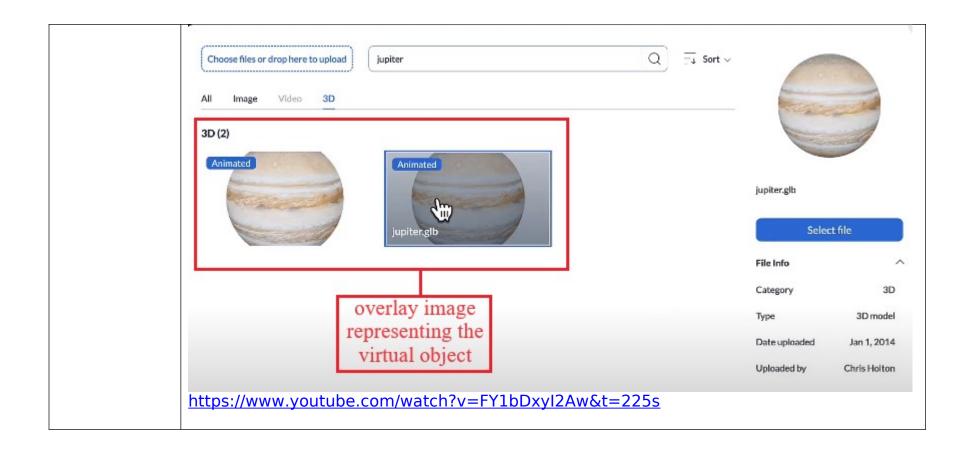
As shown below, an augmented reality image is displayed on the display of the device used for scanning the QR code. The augmented image contains the camera feed as well as the virtual object which is overlayed at a position relative to the center of the target image. The Image Anchor is used to obtain the position of the target image relative to the world space. The center of the image is used as the origin for positioning the virtual objects.











Coordinate Systems and Poses

Getting Started JavaScript Universal AR

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https://docs.zap.works/universal-ar/javascript/getting-started/coordinate-systems-and-poses/

Anchor Pose

Each of the tracking types provided by the Zappar library expose anchors with a function to obtain an anchor pose for a given camera pose, e.g.:

The following sections gives more details about the various tracking types and their associated anchors:

- Image Tracking
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- Face Tracking

https://docs.zap.works/universal-ar/javascript/getting-started/coordinate-systems-and-poses/

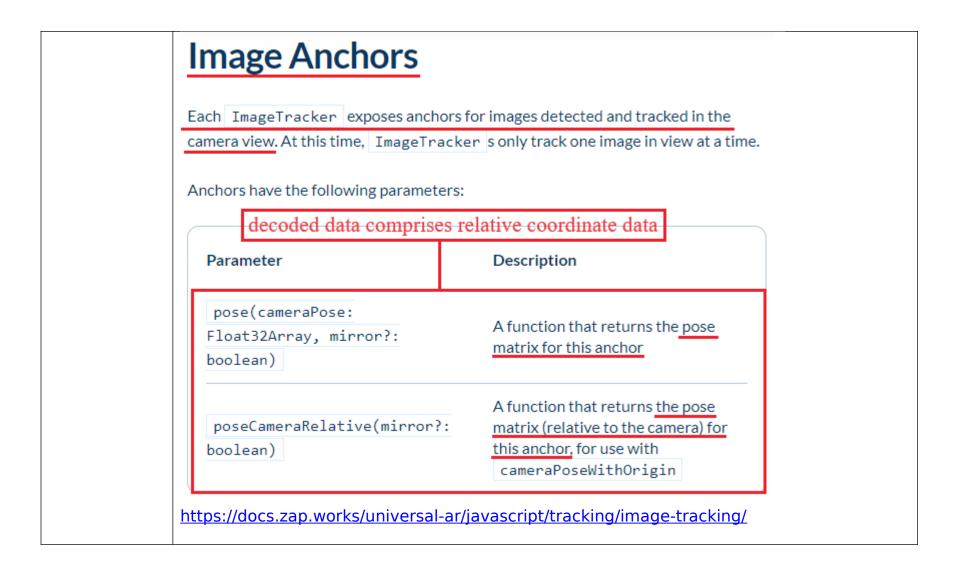


Image Tracking

A-Frame

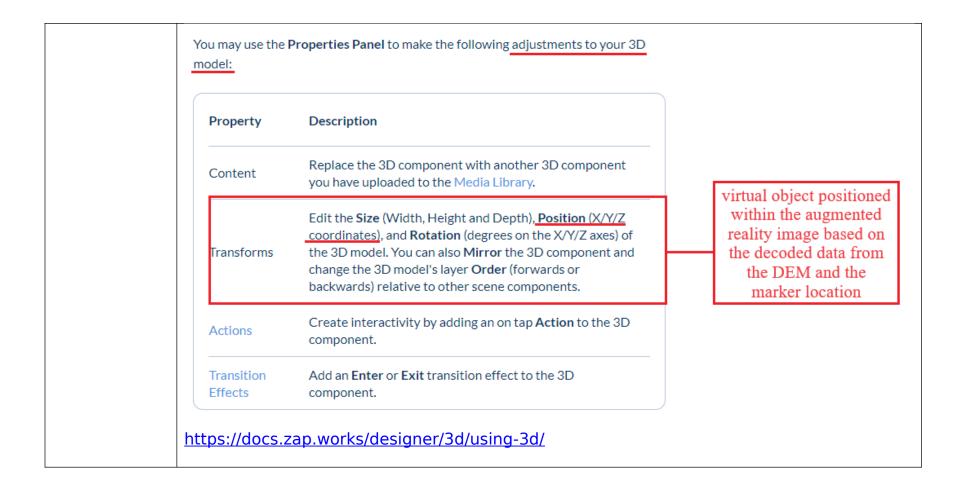
Tracking

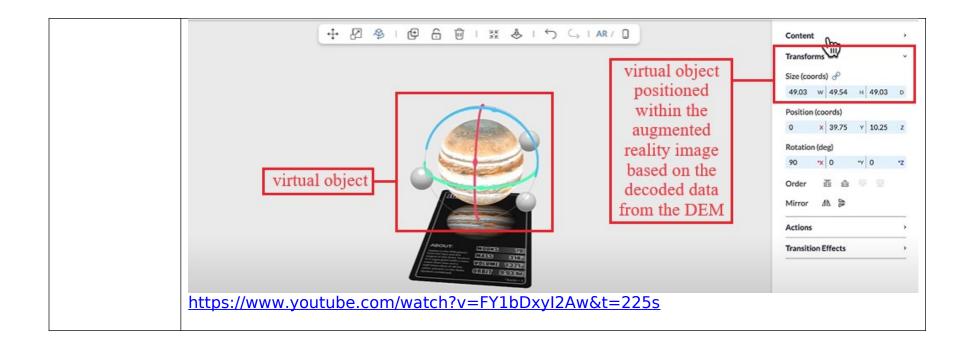
Universal AR

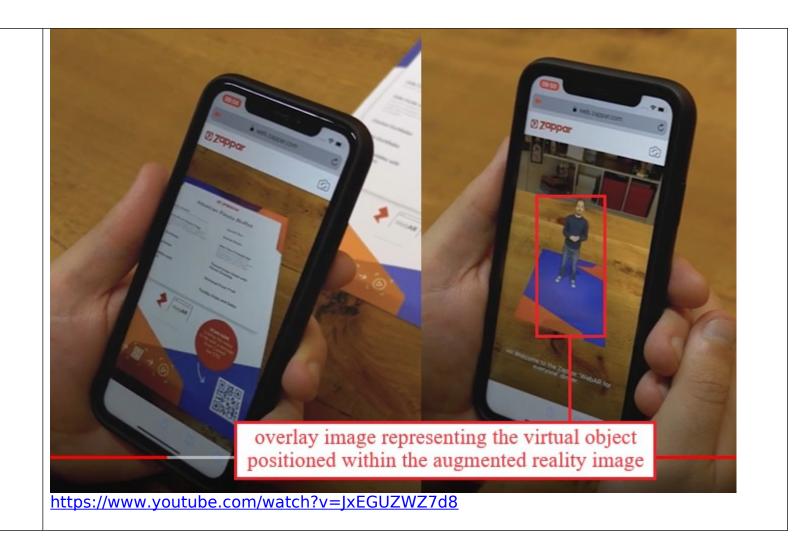
Image tracking can detect and track a flat image in 3D space. This is great for building content that's augmented onto business cards, posters, magazine pages, etc.

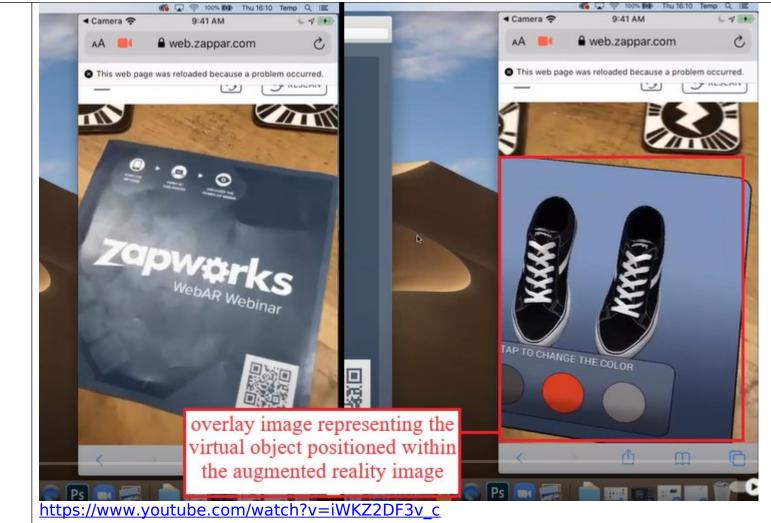
The group provides a coordinate system that has its origin at the center of the image, with positive X axis to the right, the positive Y axis towards the top and the positive Z axis coming up out of the plane of the image. The scale of the coordinate system is such that a Y value of +1 corresponds to the top of the image, and a Y value of -1 corresponds to the bottom of the image. The X axis positions of the left and right edges of the target image therefore depend on the aspect ratio of the image.

https://docs.zap.works/universal-ar/a-frame/tracking/image-tracking/









The accused instrumentality d

wherein the overlay image is positioned within the

the The accused instrumentality discloses wherein the overlay image (e.g., an overlay image age of the virtual object) is positioned within the augmented reality image (e.g., an AR image with an overlay of a virtual object) using the at least one of the geographic coordinate data and the relative coordinate data (e.g., position data of an Anchor pose relative to

augmented reality image using the at least one of the geographic coordinate data and the relative coordinate data decoded from the DEM.

world origin) decoded from the DEM (e.g., a target image with a printed QR code for generating WebAR experience).

least one of the discontinuous coordinate data and the data and the relative to the camera feed as well as the virtual object which is overlayed at a position relative to the center of the target image. The limage Anchor is used to obtain the position of the target image relative to the world space. The center of the image is used as the origin for positioning the virtual objects. The position of the virtual object can be adjusted by the user with respect to the center of the target image.

Coordinate Systems and Poses

Getting Started JavaScript Universal AR

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https://docs.zap.works/universal-ar/javascript/getting-started/coordinate-systems-and-poses/

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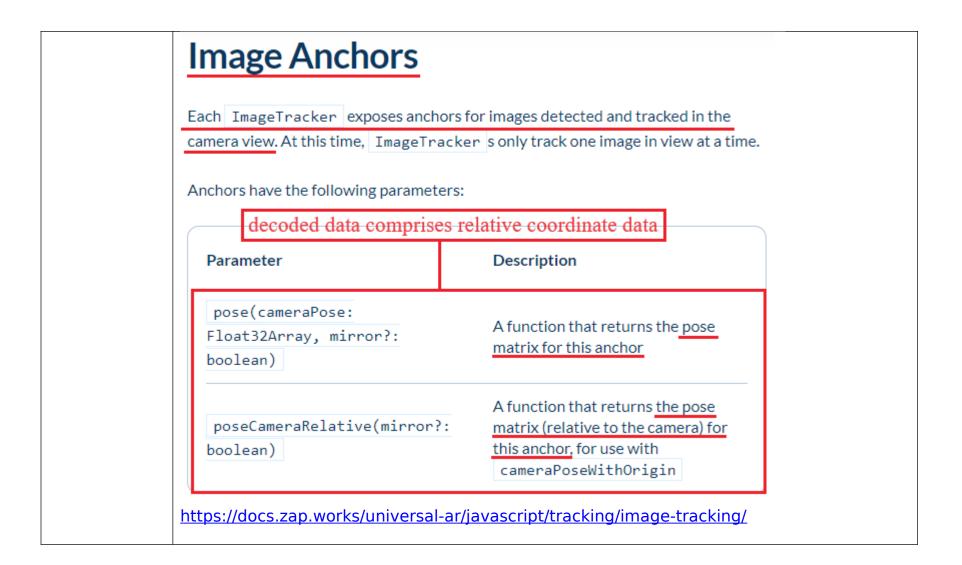


Image Tracking

A-Frame) (

Tracking

Universal AR

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